(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 2 June 2000 (02.06.2000)

PCT

(10) International Publication Number WO 00/31092 A3

- (51) International Patent Classification⁷: C07H 13/04, 13/08, 11/00, A61K 31/70, A61P 9/00, 21/00, 35/00, C07H 15/18
- (21) International Application Number: PCT/US99/27774
- (22) International Filing Date:

23 November 1999 (23.11.1999)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 09/198,982 24

24 November 1998 (24.11.1998) US

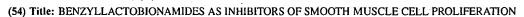
- (71) Applicant: AMERICAN HOME PRODUCTS COR-PORATION [US/US]; Five Giralda Farms, Madison, NJ 07940-0874 (US).
- (72) Inventor: MAYER, Scott, Christian; 9 Eastbridge Drive, Robbinsville, NJ 08691 (US).
- (74) Agents: MILOWSKY, Arnold, S.; American Home Products Corporation, Patent Law Dept. 2B, One Campus Drive, Parsippany, NJ 07054 et al. (US).

- (81) Designated States (national): AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

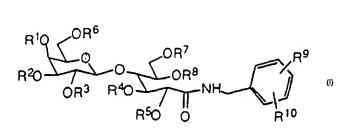
Published:

- With international search report.
- (88) Date of publication of the international search report: 18 January 2001

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.







(57) Abstract: This invention provides smooth muscle cell proliferation inhibitors of formula (I) having the structure or a pharmaceutically acceptable salt thereof.

INTERNATIONAL SEARCH REPORT

Int tional Application No PCT/US 99/27774

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07H13/04 C07H13/08 A61P9/00 C07H11/00 A61K31/70 A61P21/00 A61P35/00 C07H15/18 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07H A61K A61P Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, CHEM ABS Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Category * Citation of document, with indication, where appropriate, of the relevant passages Α WO 96 14325 A (AMERICAN HOME PROD) 1,5,6,8, 17 May 1996 (1996-05-17) cited in the application page 1, line 5 - line 9 claim 1 US 5 008 247 A (MEINETSBERGER EIKE) Α 1,5,6,8, 16 April 1991 (1991-04-16) column 8, line 4 - line 60 example 11 claim 1 & EP 0 312 086 A 19 April 1989 (1989-04-19) cited in the application Patent family members are listed in annex. Further documents are listed in the continuation of box C. * Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the *A* document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority: claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 13 October 2000 02/11/2000 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijewijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Held, P

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INTERNATIONAL SEARCH REPORT

Inte Ional Application No PCT/US 99/27774

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C.(Continuar Category *	tion) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to daim No.		
A	OHNO, KOHJI ET AL: "Free-radical polymerization of a sugar residue-carrying styryl monomer with a lipophilic alkoxyamine initiator. Synthesis of a well-defined novel glycolipid" MACROMOL. CHEM. PHYS. (1998), 199(10), 2193-2197, XP000787909 page 2193, left-hand column figure 1	1		
А	OUARI, OLIVIER ET AL: "Synthesis and spin-trapping behavior of glycosylated nitrones" J. CHEM. SOC., PERKIN TRANS. 2 (1998), (10), 2299-2308, XP002149958 page 2299, left-hand column, paragraph 1 page 2300, schemes 1 & 2			
	·=-(- 8		

1

INTERNATIONAL SEARCH REPORT

information on patent family members

Inti- Monal Application No PCT/US 99/27774

Patent document cited in search report		Publication date	Patent family member(s)		Publication date	
WO	9614325	Α	17-05-1996	US	5773420 A	30-06-1998
			•	· AT	184283 T	15-09-1999
				AU	703338 B	25-03-1999
				AU	3935395 A	31-05-1996
				BR	9509586 A	23-12-1997
				CA	2204530 A	17-05-1996
				DE	69512081 D	14-10-1999
				DE	69512081 T	03-02-2000
				EP	0791004 A	27-08-1997
				ES	2136314 T	16-11-1999
				FI	971934 A	06-05-1997
				GR	3031731 T	29-02-2000
				HU	77757 A	28-07-1998
				JP	10508610 T	25-08-1998
				NZ 	296037 A	28-05-1999
US	5008247	Α	16-04-1991	DE	3734815 A	27-04-1989
				AT	101159 T	15-02-1994
				AU	2368688 A	20-04-1989
				CA	1331986 A	13-09-1994
				CS	9103957 A	16-09-1992
				DE	3887618 D	17-03-1994
				DK	572788 A,B,	15-04-1989
				EP	0312086 A	19-04-1989
				ES	2061592 T	16-12-1994
			•	FI	884697 A,B,	15-04-1989
				IE	63947 B	28-06-1995
				IL	87936 A	31-01-1993
				JP	1143890 A	06-06-1989
				JP	1885756 C	22-11-1994
				JP	6004667 B	19-01-1994
				ZA	8807641 A	26-07-1989